

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-18. (canceled)

19. (currently amended) A circular blade device (1) for cutting flat marble, granite, glass or similar sheets (5), comprising numerical control means (2) for a cutting head(3) having a blade (14) addressable within a cutting volume and comprising means for manipulating said sheets within said cutting volume, the manipulating means for said sheets (5) comprising at least one manipulator member (12) arranged to cooperate with the sheet being cut and employing suction to hold the sheet, wherein numerical control means (2) are arranged to move the cutting head (3) along a first, a second and a third axis (7, 8, 9) of translation perpendicular to one another and, moreover, arranged to rotate said cutting head (3) about said third axis (9) to allow diagonal cuts to be made, wherein said manipulator member (12) is mounted on and movable with said cutting head.

20. (previously presented) A device as claimed in claim 19, characterised in that said manipulator member is associated with actuator means (15) which enable it to move vertically.

21. (previously presented) A device as claimed in claim 20, characterised in that said actuator means (15) are rigid with the cutting head(3).

22. (previously presented) A device as claimed in claim 20, characterized in that said actuator means (15) are of pneumatic type.

23. (previously presented) A device as claimed in claim 20, characterised in that the numerical control-means (2) control said actuator means.

24-25. (canceled)

26. (previously presented) A device as claimed in claim 19, characterized in that said numerical control means (2) are arranged to rotate said cutting head (3) about a fourth axis (10) perpendicular to said third axis (9), to enable cuts to be made with their edge inclined to the upper and lower surface of the sheet.

27. (previously presented) A device as claimed in claim 19, characterised by presenting a cutting disc (65) disposed below the sheets (5) in such a manner as to operate on the lower face of the sheets(5).

28. (previously presented) A device as claimed in claim 19, characterised in that said cutting disc (65) is disposed to the side of a cutting support (6) on which said sheet (5) is rested during the cutting by the cutting head.

29. (previously presented) A device as claimed in claim 19, characterised in that said cutting disc (65) can be moved vertically by one or more actuators (66).

30. (previously presented) A device as claimed in claim 19, characterised in that said cutting disc (65) forms part of a milling machine (64) rigid both with a frame (63) mounted on vertical guides (62) and with an actuator (66) for vertically moving said disc (65).

31. (previously presented) A device as claimed in claim 30, characterised in that said vertical guides (62) are fixed to a ledge (60) projecting from said support (6).

32. (canceled)

33. (currently amended) A circular blade device (1) for cutting flat marble, granite, glass or similar sheets (5), comprising numerical control means (2) for a cutting head (3) having a blade (14) addressable within a cutting volume and comprising means for manipulating said sheets within said cutting volume, the manipulating means for said sheets (5) comprising at least one manipulator member (12) arranged to cooperate with the sheet being cut and employing suction to hold the sheet, wherein numerical control means (2) are arranged to move the cutting head (3) along a first, a second and a third axis (7, 8, 9) of translation perpendicular to one another and, moreover, arranged to rotate said cutting head (3) about said third axis (9) to allow diagonal cuts to be made, said third axis being

substantially vertical, and wherein said manipulating means is mounted on and movable with said cutting head.

34. (previously presented) A device as claimed in claim 33, characterised in that said manipulator member is associated with actuator means (15) which enable it to move vertically.

35. (previously presented) A device as claimed in claim 34, characterised in that said actuator means (15) are rigid with the cutting head(3).

36. (previously presented) A device as claimed in claim 34, characterized in that said actuator means (15) are of pneumatic type.

37. (previously presented) A device as claimed in claim 34, characterised in that the numerical control-means (2) control said actuator means.

38. (previously presented) A device as claimed in claim 33, characterized in that said numerical control means (2) are arranged to rotate said cutting head (3) about a fourth axis (10) perpendicular to said third axis (9), to enable cuts to be made with their edge inclined to the upper and lower surface of the sheet.

39. (previously presented) A device as claimed in claim 33, characterised by presenting a cutting disc (65) disposed below the sheets (5) in such a manner as to operate on the lower face of the sheets(5).

40. (previously presented) A device as claimed in claim 33, characterised in that said cutting disc (65) is disposed to the side of a cutting support (6) on which said sheet (5) is rested during the cutting by the cutting head.

41. (previously presented) A device as claimed in claim 33, characterised in that said cutting disc (65) can be moved vertically by one or more actuators (66).

42. (previously presented) A device as claimed in claim 33, characterised in that said cutting disc (65) forms part of a milling machine (64) rigid both with a frame (63) mounted on vertical guides (62) and with an actuator (66) for vertically moving said disc (65).

43. (previously presented) A device as claimed in claim 42, characterised in that said vertical guides (62) are fixed to a ledge (60) projecting from said support (6).

44. (new) A circular blade device (1) for cutting flat marble, granite, glass or similar sheets (5), comprising numerical control means (2) for a cutting head(3) having a blade (14) addressable within a cutting volume and comprising means for manipulating said sheets within said cutting volume, the manipulating means for said sheets (5) comprising at least one manipulator member (12) arranged to cooperate with the sheet being cut and employing suction to hold the sheet, wherein numerical control means (2) are arranged to move the cutting head (3) along a first, a second and a third axis (7, 8, 9) of

translation perpendicular to one another and, moreover, arranged to rotate said cutting head (3) about said third axis (9) to allow diagonal cuts to be made, wherein said blade (14) is flat and disposed in a plane parallel to said third axis (9).